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3 A coding scheme to support systematic analysis of software comprehension
von Mayrhauser, A.; Lang, S.;

Software Engineering, IEEE Transactions on , Volume: 25 , Issue: 4 , July-Aug 1999

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4 Protocol analyzer for the bus system (HBS)
Honda, Y.; Inoue, M.; Iwatsubo, R.; Sakanobe, K.;

Consumer Electronics, IEEE Transactions on , Volume: 36 , Issue: 3 , Aug 1991

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1 Group Key Management and Signatures: Formalizing GDOI group key 91%



management requirements in NPATRL

Catherine Meadows , Paul Syverson

Proceedings of the 8th ACM conference on Computer and Communications

Security November 2001

Although there is a substantial amount of work on formal requirements for two and three-party key distribution protocols, very little has been done on requirements for group protocols. However, since the latter have security requirements that can differ in important but subtle ways, we believe that a rigorous expression of these requirements can be useful in determining whether a given protocol can satisfy an application's needs. In this paper we make a first step in providing a formal understand ...

2 Internal representation and rule development in object-oriented design 87%



Jinwoo Kim , F. Javier Lerch , Herbert A. Simon

ACM Transactions on Computer-Human Interaction (TOCHI) December 1995

Volume 2 Issue 4

This article proposes a cognitive framework describing the software development process in object-oriented design (OOD) as building internal representations and developing rules. Rule development (method construction) is performed in two problem spaces: a rule space and an instance space. Rules are generated, refined, and evaluated in the rule space by using three main cognitive operations: Infer, Derive, and Evoke. Cognitive activities in the instance space are called mental simulations an ...

3 Visualizing packet traces

John A. Zinky , Fredric M. White

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1 A study of protocol analysis for packet switched network 100%



K. Tsukamoto , T. Itoh , M. Nomura , Y. Tanaka

Proceedings of the seventh symposium on Data communications October 1981

Communication failures may occur because of residual hardware or software implementation flaws, operator errors, transmission noises and transient or permanent machine failures. For packet switched network operation, some means are necessary to detect the errors and to analyze the phenomena to identify the causes of the errors, since, generally, it is almost impossible to predict errors or to implement systems without errors or failures. This paper describes general aspects of co ...

2 Real-time protocol analysis for detecting link-state routing protocol 100%



attacks

Ho-Yen Chang , S. Felix Wu , Y. Frank Jou

ACM Transactions on Information and System Security (TISSEC) February 2001

Volume 4 Issue 1

A real-time knowledge-based network intrusion-detection model for a link-state routing protocol is presented for the OSPF protocol. This model includes three layers: a data process layer to parse packets and dispatch data; and event abstractor to abstract predefined real-time events for the link-state routing protocol; and an extended timed finite state machine to express the real-time behavior of the protocol engine and to ...

3 A network protocol analyzer with tutorial 98%



Susan Mengel , Salman Ali

Proceedings of the 1996 ACM symposium on Applied Computing February 1996